JC03 Rec'd PCT/PTO 2,1 JUN 2005

NATIONAL PHASE UTILITY APPLICATION

Transmittal to the (DO/EO/US)
Under 35 USC 371

Attorney Docket No.: SMARB15.001APC

First Named Inventor: Jeremy S. Lee Int'l Application No.: PCT/CA2003/001589

Int'l Filing Date: October 15, 2003

Priority Date Claimed: December 23, 2002

Title: CHEMICAL SWITCHING OF NUCLEIC ACID CIRCUIT

ELEMENTS

Express Mail Label No.: EV309178193US

Direct all correspondence to Customer No.: 20995

Date: June 21, 2005

Page 1 of 2

10/540279

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The following enclosures are transmitted herewith to be filed in the patent application of:

Inventors:

1. Jeremy S. Lee

2. Heinz-Bernhard Kraatz

3. Shawn D. Wettig

4. Ryan John Skinner

APPLICATION ELEMENTS:

- (X) This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371.
- (X) The U.S. has been elected (Article 31).
- (X) A copy of the International Application as filed (35 U.S.C. § 371(c)(2)) has been communicated by the International Bureau.
- (X) An English translation of the International Application as filed is not required.
- (X) Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)) have not been and will not be made.

OTHER APPLICATION PARTS:

- (X) Preliminary Amendment in 15 pages.
- (X) Abstract in 1 page.
- (X) Copy of PCT publication WO 2004/057685 A3, including International Search Report.
- (X) Return prepaid postcard.

JC17 Rec'd PCT/PTO 2 1 JUN 2005

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FILING FEES:

FEE CALCULATION												
FEE TYPE & DETERMINATION					LAR	GE FEE	CA	LCU	LATI	ON	TOTAL	
Basic Filing Fee under 1.492(a)					1631	(\$300)					\$300	
Search Fee under 1.492(b) (enter one in TOTAL column)												
(1) USPTO was the ISA					1641	(\$100)					\$400	
(2) Foreign Search Report Enclosed 1642 (\$400)										\$400		
(3) No Search Report Enclosed 1632 (\$500)												
Examination Fee under 1.492(c) (enter one in TOTAL column)												
(1) USPTO was IPEA & claims satisfy Art. 33 (1)-(4)) 1643 (\$100)									\$200			
(2) Non US IPEA / Noncompliant Claims 1633 (\$200)												
Excess Claims	73	-	20	=	53	1615	(\$50)	53	x	50	=	\$2,650
Excess Ind. Claims	10	-	3	=	7	1614	(\$200)	7	x	200	=	\$1,400
Multiple Dep. Claim						1616	(\$360)	·				\$0
Application Size Fee	0	-	100) =	0	1681	(\$250)	0	x	250	=	\$0
Late English Translation						1618	(\$130)					\$0
Assignment						8021	(\$40)	0	х	40	=	\$0
TOTAL FEE DUE										\$4,950		
TOTAL FEE PAID (If Different Than Fee Due)											\$	

(X) A check in the amount of \$4,950 to cover the Total Fee Due is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.

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Knobbe Martens Olson & Bear LLP

Intellectual Property Law

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CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Attorney Docket No.

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Applicant(s)

Lee et al.

For

CHEMICAL SWITCHING OF NUCLEIC

ACID CIRCUIT ELEMENTS

Agent

: Marina L. Gordey

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Date of Deposit

June 21, 2005

I hereby certify that the accompanying

Transmittal letter; Preliminary Amendment in 15 pages; Abstract in 1 page; copy of PCT publication, including International Search Report; Check for Filing Fee; Return Prepaid Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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